



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/752,428	01/06/2004	Lynn Patterson	DY-03	3799
23593	7590	09/27/2005	EXAMINER	
ZITO TLP 26005 RIDGE ROAD SUITE 203 DAMASCUS, MD 20872			LEE, CHRISTOPHER E	
			ART UNIT	PAPER NUMBER
			2112	

DATE MAILED: 09/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/752,428	Applicant(s) PATTERSON ET AL.	
	Examiner Christopher E. Lee	Art Unit 2112	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 November 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

RD

## DETAILED ACTION

### *Specification*

1. The disclosure is objected to because of the following informalities:

Substitute "buss" in lines 18 and 20 on page 1, and in line 5 on page 2, by --bus--.

Substitute "A interconnected" in line 20 on page 5 by --An interconnected--.

On pages 4 and 5, there are not figure descriptions for the Figures 8 and 9 under the Section

### BRIEF DESCRIPTION OF THE DRAWING.

Appropriate correction is required.

### *Drawings*

2. Figures 8 and 9 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated (See specification, page 1). See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Chakrabarti et al. [US 6,807,167 B1; hereinafter Chakrabarti].

*Referring to claim 1*, Chakrabarti discloses a computer card (i.e., intelligent carrier card in Fig. 1) for data transfer in a network of multiple computer cards (See col. 1, lines 6-10 and col. 2, lines 12-15), comprising:

- a circuit card (i.e., line card 100 of Fig. 1) comprising a PCI bus (i.e., local PCI bus 148 of Fig. 1);
- a PCI-based mezzanine card (e.g., PMC 108 of Fig. 1), mounted to the circuit card (i.e., said line card) and connected to the PCI bus (i.e., said local PCI bus) for access to processing resources (i.e., PPC750 114, 116 in Fig. 1) and memory resources (i.e., SDRAM 118, 120 in Fig. 1) of the circuit card (See col. 2, lines 45-67 and col. 3, lines 37-40);
- a multi-port fabric switch (i.e., ATM Switch 141 of Fig. 1); and
- a PCI-to-switch fabric bridge (i.e., Local Bridge 146 and Bridge 134, 136 in Fig. 1) comprising a port (i.e., UTOPIA 131, 133 in Fig. 1) connected to the fabric switch (i.e., said ATM Switch; See col. 3, lines 6-17 and col. 5, lines 8-15).

*Referring to claim 2*, Chakrabarti discloses a system (i.e., electronic communication system) for networking multiple computer cards for data transfer (See Abstract), comprising:

- a plurality of networked circuit cards (i.e., a plurality of line cards for interfacing two telecommunication systems; See col. 1, lines 6-10),
  - each card (i.e., line card 100 of Fig. 1) comprising: a PCI bus (i.e., local PCI bus 148 of Fig. 1);
  - a PCI-based mezzanine card (e.g., PMC 108 of Fig. 1), mounted to the circuit card (i.e., said line card) and connected to the PCI bus (i.e., said local PCI bus) for access to processing resources (i.e., PPC750 114, 116 in Fig. 1) and memory resources (i.e.,

SDRAM 118,120 in Fig. 1) of the circuit card (See col. 2, lines 45-67 and col. 3, lines 37-40);

- a multi-port fabric switch (i.e., ATM Switch 141 of Fig. 1) comprising a port (i.e., ATM output busses 152 and 158 in Fig. 1) for connecting said mezzanine card (i.e., PMC 108 of Fig. 1) to a second mezzanine card (e.g., PMC 102 of Fig. 1) in said network (See col. 3, lines 49-59); and
- a PCI-to-switch fabric bridge (i.e., Local Bridge 146 and Bridge 134, 136 in Fig. 1) comprising a port (i.e. UTOPIA 131, 133 in Fig. 1) connected to the fabric switch (i.e., said ATM Switch; See col. 3, lines 6-17 and col. 5, lines 8-15).

### *Conclusion*

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Langley, Sr. et al. [US 6,751,699 B1] disclose fiber channel mini-hub powered by and supported within a host computer and directly controlled over a bus of the host computer.

Baker et al. [US 6,819,567 B2] disclose apparatus and system for functional expansion of a blade.

Harris et al. [US 2004/0003154 A1] disclose computer system and method of communicating.

Andrews et al. [US 6,233,643 B1] disclose apparatus including a host processor and communications adapters interconnected with a bus.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher E. Lee whose telephone number is 571-272-3637. The examiner can normally be reached on 9:30am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on 571-272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher E. Lee  
Examiner  
Art Unit 2112

CEL/

A handwritten signature in black ink that reads "Christopher E. Lee". The signature is written in a cursive, flowing style.